**TERMINATOR™ WARNINGS AND APPLICATION INSTRUCTIONS**

Extended Wedge Socket Assembly U.S. Patent No. 5,553,360 and Canada Patent No. 2,217,004

**S-421T / US-422T “TERMINATOR”™**

**NOTE:** The design of the basket for the S-421T 1-1/4” TERMINATOR™ Wedge Socket does not allow proper fit to the old style Crosby S-421W wedge (see Fig. 1). Do not assemble or use. The design of the basket for each US-422T TERMINATOR™ Wedge Socket does not allow proper fit to the old style UWO-422 wedge (see Fig. 1). Do not assemble or use. All S-421T and US-422T TERMINATOR™ baskets are marked with a capital “T” or TERMINATOR™.

**QUIC-CHECK® “Go” and “No-Go” features cast into wedge. The proper size wire rope is determined when the following criteria are met:**

1. The wire rope shall pass thru the “Go” hole in the wedge.
2. The wire rope shall NOT pass thru the “No-Go” hole in the wedge.

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**Important Safety Information – Read and Follow Inspection/Maintenance Safety**

- Always inspect socket, wedge and pin before using.
- Do not use part showing cracks.
- Do not use modified or substitute parts.
- Repair minor nicks or gouges to socket or pin by lightly grinding until surfaces are smooth. Do not reduce original dimension more than 10%. Do not repair by welding.
- Inspect permanent assemblies annually, or more often in severe operating conditions.
- Do not mix and match wedges or pins between models or sizes.
- Always select the proper wedge and socket for the wire rope size.

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**Assembly Safety**

- Use only with standard 6 to 8 strand wire rope of designated size. For intermediate size rope, use next larger size socket. For example: When using 9/16” diameter wire rope use a 5/8” size Wedge Socket Assembly. Welding of the tail on standard wire rope is not recommended. Seizing of the tail is preferred following the recommended practices of the wire rope manufacturer. The tail length of the dead end should be a minimum of 6 rope diameters but not less than 6” (See Figure 2).

- **To use with Rotation Resistant wire rope** (special wire rope constructions with 8 or more outer strands) ensure that the dead end is welded, brazed or seized before inserting the wire rope into the wedge socket to prevent core slippage or loss of rope lay. Seizing of the tail is preferred following the recommended practices of the wire rope manufacturer. The tail length of the dead end should be a minimum of 20 rope diameters but not less than 6” (See Figure 2).

- Properly match socket, wedge and clip (See Table 1) to wire rope size.

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**Operating Safety**

- Align live end of rope, with center line of pin. (See Figure 2)
- Secure dead end section of rope. (See Figure 2)
- Tighten nuts on clip to recommended torque. (See Table 1)
- Do not attach dead end to live end or install wedge backwards (See Fig. 3).
- Use a hammer to seat Wedge and Rope as deep into socket as possible before applying first load.

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**WARNING**

- Loads may slip or fall if the Wedge Socket is not properly installed.
- Load misapplied in direct contact with the wedge can dislodge the wedge and cause loss of load.
- A falling load can seriously injure or kill.
- Read and understand these instructions before installing the Wedge Socket.
- Do not side load the Wedge Socket.
- Apply first load to fully seat the Wedge and Wire Rope in the socket. This load should be of equal or greater weight than loads expected in use.
- Do not interchange wedges between S-421T and US422T or between sizes.
- Do not assemble an old style 1-1/4” (30-32mm)S-421W wedge into an S-421T 1-1/4” (30-32mm) TERMINATOR™ basket.
- Do not assemble an old style UWO-422 wedge into a US-422T TERMINATOR™ basket.

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**TERMINATOR™ US-422T TERMINATOR™ Clamp Safety:**

- Do not attach dead end to live end or install wedge backwards (See Fig. 3).
- Use a hammer to seat Wedge and Rope as deep into socket as possible before applying first load.

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**QUIC-CHECK®**

- “Go” and “No-Go” features cast into wedge. The proper size wire rope is determined when the following criteria are met:
  1. The wire rope shall pass thru the “Go” hole in the wedge.
  2. The wire rope shall NOT pass thru the “No-Go” hole in the wedge.

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**Table 1**

<table>
<thead>
<tr>
<th>Rope Size (in.)</th>
<th>Clip Size (in.)</th>
<th>Tail Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>3/8</td>
<td>6&quot;</td>
</tr>
<tr>
<td>1/2</td>
<td>1/2</td>
<td>6&quot;</td>
</tr>
<tr>
<td>5/8</td>
<td>5/8</td>
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<td>6&quot;</td>
</tr>
<tr>
<td>1</td>
<td>1-1/8</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

**Torque Ft./lbs.**

- 45
- 65
- 95
- 130
- 225
- 225
- 225
- 360

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**Figure 1**

**Figure 2**

**Figure 3**

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